



FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
706700-999188 (Formerly 11090-
074-999)APPLICATION NO.
10/801,336LIST OF REFERENCES CITED
BY APPLICANT

(USE SEVERAL SHEETS IF NECESSARY)

APPLICANT
Blais et al.FILING DATE
March 15, 2004GROUP
2811

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
Loke	AA	US 5,917,322	06/1999	Gershenfeld et al.			
Loke	AB	US 6,128,764	10/2000	Gottesman			
Loke	AC	US 6,317,766	11/2001	Grover			
Loke	AD	US 6,459,097 B1	10/2002	Zagoskin			
Loke	AE	US 6,504,172 B2	01/2003	Zagoskin et al.			
Loke	AF	US 6,563,311 B2	05/2003	Zagoskin			
Loke	AG	US 6,605,822 B1	08/2003	Blais et al.			
Loke	AH	US 6,670,630	12/2003	Blais et al.			
Loke	AI	US 6,614,047 B2	09/2003	Tzalenchuk et al.			
Loke	AJ	US 2002/0188578 A1	12/2002	Amin et al.			
Loke	AK	US 2003/0193097 A1	10/2003	Il'ichev et al.			
Loke	AL	US 2003/0224944 A1	12/2003	Il'ichev et al.			
Loke	AM	US 2004/0012407	01/2004	Amin et al.			
Loke	AN	10/798,737		Blais et al.			03/10/2004
Loke	AO	10/801,335		Blais et al.			03/15/2004
Loke	AP	10/801,340		Blais et al.			03/15/2004
Loke	AQ	60/341,974		Il'ichev et al.			12/18/2001
Loke	AR	60/349,663		Amin et al.			01/15/2002
Loke	AS	60/372,958		Il'ichev et al.			04/15/2002
Loke	AT	60/556,778		Hilton et al.			03/26/2004
Loke	AU	60/557,747		Amin et al.			03/29/2004
Loke	AV	60/557,750		Grajcar et al.			03/29/2004

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO

EXAMINER

Loke

DATE CONSIDERED

12/12/04

*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE LIST OF REFERENCES CITED BY APPLICANT (USE SEVERAL SHEETS IF NECESSARY)	ATTY. DOCKET NO. 706700-999188 (Formerly 11090-074-999)	APPLICATION NO. 10/801,336
	APPLICANT Blais et al.	
	FILING DATE March 15, 2004	GROUP 2811

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)	
Loke	AW	W.A. Al-Saidi and D. Stroud, "Eigenstates of a small Josephson junction coupled to a resonant cavity", Physical Review B, 65, pp. 014512-1 to 014512-7 (2001).
Loke	AX	A.D. Armour, M.P. Blencowe, and K.C. Schwab, "Entanglement and Decoherence of a Micromechanical Resonator via Coupling to a Cooper-Pair Box", Physical Review Letters, 88, pp. 148304-1 to 148301-4 (2002).
Loke	AY	A. Barenco, C.H. Bennet, R. Cleve, D.P. DiVincenzo, N. Margolus, P. Shor, T. Sleator, J.A. Smolin, and H. Weinfurter, "Elementary gates for quantum computation", Physical Review A, 52, pp. 3457-3467 (1995).
Loke	AZ	A. Blais, "Quantum network optimization", Physical Review A, 64, pp. 022312-1 to 022312-5 (2001).
Loke	BA	G. Blatter, V.B. Geshkenbein, and L. Ioffe, "Design aspects of superconducting-phase quantum bits," Physical Review B, 63, pp. 174511-1 to 174511-9 (2001).
Loke	BB	D. Born, T. Wagner, W. Krech, U. Hubner, and L. Fritzsche, "Fabrication of ultrasmall tunnel junctions by electron beam direct-writing", IEEE Transactions on Applied Superconductivity, 11, pp. 373-376 (2001).
Loke	BC	O. Buisson and F.W.J. Hekking, "Entangled states in a Josephson charge qubit coupled to a superconducting resonator", arXiv.org:cond-mat/0008275 (2000), website last accessed on June 4, 2004.
Loke	BD	A. Cottet, D. Vion, A. Aassime, P. Joyez, D. Esteve, and M.H. Devoret, "Implementation of a combined charge-phase quantum bit in a superconducting circuit", Physica C, 367, pp. 197-203 (2002).
Loke	BE	D. Deutsch, "Quantum theory, the Church-Turing principle and the universal quantum computer", Proceedings of the Royal Society of London A, 400, pp. 97-115 (1985).
Loke	BF	D.P. DiVincenzo, "The physical implementation of quantum computation", arXiv.org:quant-ph/0002077 (2000), website last accessed on June 4, 2004.
Loke	BG	Economist, "Quantum Dreams", pp. 1-3 (March 8, 2001).
Loke	BH	R.P. Feynman, "Simulating physics with computers", International Journal of Theoretical Physics, 21, pp. 467-488 (1982).
Loke	BI	J.R. Friedman, V. Patel, W. Chen, S.K. Tolpygo, and J.E. Lukens, "Quantum superposition of distinct macroscopic states", Nature, 406, pp. 43-46 (2000).
Loke	BJ	L.K. Grover, "A fast quantum mechanical algorithm for database search", Proceedings of the 28th STOC, pp. 212-219 (1996).
Loke	BK	S. Han, Y. Yu, X. Chu, S.-I. Chu, and Z. Wang, "Time-resolved measurement of dissipation-induced decoherence in a Josephson junction", Science, 293, pp. 1457-1459 (2001).
Loke	BL	F.W.J. Hekking, O. Buisson, F. Balestro, and M.G. Vergniory, "Cooper Pair Box Coupled To a Current-Biased Josephson Junction", arXiv.org:cond-mat/0201284 (2002), website last accessed on June 4, 2004.
Loke	BM	X. Hu, R. de Sousa, and S. Das Sarma, "Decoherence and dephasing in spin-based solid state quantum computers", arXiv.org:cond-mat/0108339 (2001), website last accessed on June 4, 2004.
Loke	BN	P. Joyez, P. Lafarge, A. Filipe, D. Esteve, and M.H. Devoret, "Observation of parity-induced suppression of Josephson tunneling in the superconducting single electron transistor", Physical Review Letters, 72, pp. 2458-2462 (1994).
Loke	BO	A.J. Leggett, S. Chakravarty, A.T. Dorsey, M.P.A. Fisher, A. Garg, W. Zwerger, "Dynamics of the dissipative two-state system", Reviews of Modern Physics, 59, pp. 1-85 (1987).
Loke	BP	Yu. Makhlin, G. Schön, and A. Shnirman, "Quantum-state engineering with Josephson-junction devices", Reviews of Modern Physics, 73, pp. 357-400 (2001).

EXAMINER	Loke	DATE CONSIDERED	12/12/04
*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 809; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.			

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE LIST OF REFERENCES CITED BY APPLICANT (USE SEVERAL SHEETS IF NECESSARY)	ATTY. DOCKET NO. 706700-999188 (Formerly 11090-074-999)	APPLICATION NO. 10/801,336
	APPLICANT Blais et al.	
	FILING DATE March 15, 2004	GROUP 2811

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)	
Loke	BQ	F. Marquardt and C. Bruder, "Superposition of two mesoscopically distinct quantum states: Coupling a Cooper-pair box to a large superconducting island", <i>Physical Review B</i> , 63, pp. 054514-054520 (2001).
Loke	BR	J. Martinis, S. Nam, J. Aumentado, and C. Urbina, "Rabi Oscillations in a Large Josephson-Junction Qubit", <i>Physical Review Letters</i> , 89, pp. 117901-117904 (2002).
Loke	BS	J.E. Mooij, T.P. Orlando, L. Levitov, L. Tian, C.H. van der Wal, and S. Lloyd, "Josephson persistent-current qubit," <i>Science</i> 285, pp. 1036-1039 (1999).
Loke	BT	Y. Nakamura, Yu.A. Pashkin, and J.S. Tsai, "Coherent control of macroscopic quantum states in a single-Cooper-pair box", <i>Nature</i> , 398, pp. 786-788 (1999).
Loke	BU	T.P. Orlando, J.E. Mooij, L. Tian, C.H. van der Wal, L.S. Levitov, S. Lloyd, and J.J. Mazo, "Superconducting persistent-current qubit", <i>Physical Review B</i> , 60, pp. 15398-15413 (1999).
Loke	BV	F. Plastina and G. Falci, "Communicating Josephson qubits", <i>arXiv.org:cond-mat/0206586</i> (2002), website last accessed on June 4, 2004.
Loke	BW	P. Shor, "Polynomial-Time Algorithms for Prime Factorization and Discrete Logarithms on a Quantum Computer," <i>SIAM Journal of Computing</i> 26, pp. 1484-1499 (1997)
Loke	BX	D. Vion, A. Aassime, A. Cottet, P. Joyez, H. Pothier, C. Urbina, D. Esteve, and M.H. Devoret, "Manipulating the quantum state of an electrical circuit", <i>Science</i> , 296, pp. 886-889 (2002).
Loke	BY	C.H. van der Wal, A.C.J. ter Haar, F.K. Wilhelm, R.N. Schouten, C.J.P.M. Harmans, T.P. Orlando, S. Lloyd, and J.E. Mooij, "Quantum superposition of macroscopic persistent-current states", <i>Science</i> , 290, pp. 773-777 (2000).
Loke	BZ	Y. Yu, S. Han, X. Chu, S.-I. Chu, and Z. Wang, "Coherent temporal oscillations of macroscopic quantum states in a Josephson junction", <i>Science</i> , 296, pp. 889-892 (2002).
Loke	CA	W.H. Zurek, "Decoherence and the transition from quantum to classical", <i>Physics Today</i> , 44, 10, pp. 36-44 (1991).
Loke	CB	Ulrich Weiss, <i>Quantum Dissipative Systems</i> , 2 nd edition, World Scientific Publishing Co. Pte. Ltd., front page, copyright page, pp. 164-174, 240-251, and 274-380 (1999).
Loke	CC	S. L. Braunstein and H.-K. Lo, eds., <i>Scalable Quantum Computers</i> , Wiley-VCH, front page, copyright page and pp. 1-13 (2001).
Loke	CD	DiVincenzo, D.P., 2000, "The Physical Implementation of Quantum Computation", <i>Fortschritte der Physik</i> 48, pp. 771- 783, also published in Braunstein, S. L., and H.-K. Lo (eds.), 2000, <i>Scalable Quantum Computers</i> , Wiley-VCH, Berlin, ISBN 3-527-40321-3.
Loke	CE	Poyatos, J.F., J.I. Cirac, and P. Zoller, 2000, "Schemes of Quantum Computations with Trapped Ions," <i>Fortschritte der Physik</i> 48, pp. 785-799, also published in Braunstein, S. L., and H.-K. Lo (eds.), 2000, <i>Scalable Quantum Computers</i> , Wiley-VCH, Berlin, ISBN 3-527-40321-3.
Loke	CF	Grangier, P., G. Reymond, and N. Schlosser, 2000, "Implementations of Quantum Computing Using Cavity Quantum Electrodynamics," <i>Fortschritte der Physik</i> 48, pp. 859-874, also published in Braunstein, S. L., and H.-K. Lo (eds.), 2000, <i>Scalable Quantum Computers</i> , Wiley-VCH, Berlin, ISBN 3-527-40321-3.
Loke	CG	Cory, D.G., et al., 2000, "NMR Based Quantum Information Processing: Achievements and Prospects," <i>Fortschritte der Physik</i> 48, pp. 875-907, also published in Braunstein, S. L., and H.-K. Lo (eds.), 2000, <i>Scalable Quantum Computers</i> , Wiley-VCH, Berlin, ISBN 3-527-40321-3.
Loke	CH	Burkard, G., H.-A. Engel, and D. Loss, 2000, "Spintronics and Quantum Dots for Quantum Computing and Quantum Communication," <i>Fortschritte der Physik</i> 48, pp. 965-986, also published in Braunstein, S. L., and H.-K. Lo (eds.), 2000, <i>Scalable Quantum Computers</i> , Wiley-VCH, Berlin, ISBN 3-527-40321-3.

EXAMINER	Loke	DATE CONSIDERED	12/12/04
*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 608; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.			

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE LIST OF REFERENCES CITED BY APPLICANT (USE SEVERAL SHEETS IF NECESSARY)	ATTY. DOCKET NO. 706700-999188 (Formerly 11090-074-999)	APPLICATION NO. 10/801,336
	APPLICANT Blais et al.	
	FILING DATE March 15, 2004	GROUP 2811

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)	
Loke	CI	Kane, B.E., 2000, "Silicon-based Quantum Computation," Fortschritte der Physik 48, pp. 1023-1041, also published in Braunstein, S. L., and H.-K. Lo (eds.), 2000, <i>Scalable Quantum Computers</i> , Wiley-VCH, Berlin, ISBN 3-527-40321-3.
Loke	CJ	Makhlin, Y., G. Schoen, and A. Shnirman, 2000, "Josephson-Junction Qubits," Fortschritte der Physik 48, pp. 1043-1054, also published in Braunstein, S. L., and H.-K. Lo (eds.), 2000, <i>Scalable Quantum Computers</i> , Wiley-VCH, Berlin, ISBN 3-527-40321-3.
Loke	CK	Averin, D.V., 2000, "Quantum Computing and Quantum Measurements with Mesoscopic Josephson Junctions," Fortschritte der Physik 48, pp. 1055-1074, also published in Braunstein, S. L., and H.-K. Lo (eds.), 2000, <i>Scalable Quantum Computers</i> , Wiley-VCH, Berlin, ISBN 3-527-40321-3.
Loke	CL	Spiller, T.P., 2000, "Superconducting Circuits for Quantum Computing," Fortschritte der Physik 48, pp. 1075-1094, also published in Braunstein, S. L., and H.-K. Lo (eds.), 2000, <i>Scalable Quantum Computers</i> , Wiley-VCH, Berlin, ISBN 3-527-40321-3.
Loke	CM	Dykman, M.I., and P.M. Platzman, 2000, "Quantum Computing Using Electrons Floating on Liquid Helium," Fortschritte der Physik 48, pp. 1095-1108, also published in Braunstein, S. L., and H.-K. Lo (eds.), 2000, <i>Scalable Quantum Computers</i> , Wiley-VCH, Berlin, ISBN 3-527-40321-3.

EXAMINER <i>Loke</i>	DATE CONSIDERED <i>12/12/04</i>
*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 809; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.	